

March 8, 2004  
Case No.: AUS920000810US1 (9000/18)  
Serial No.: 09/738,368  
Filed: December 15, 2000  
Page 4 of 21

**CLAIM AMENDMENTS:**

A listing of the entire set of pending claims 1-20 is submitted herewith per 37 C.F.R. §1.121. This listing of claims 1-20 will replace all prior versions, and listings, of claims in the application.

- A2
1. (Original) A method for processing directory events, comprising:  
operating a directory service provider server to perform a data manipulation within a master directory database;  
operating an event master server to assign a sequence number to said data manipulation; and  
operating said event master server to store said sequence number within said master directory database.
  2. (Original) The method of claim 1, further comprising:  
operating said event master server to provide an event message to an event service server, said event message including said sequence number and an event notification;  
operating said master database to replicate said sequence number to a replicate directory database; and  
operating said event service server to provide said event notification to an event client server in response to said replication of said sequence number to said replicate directory database.
  3. (Original) The method of claim 2, further comprising:  
operating said event client server to provide said event notification to at least one directory client registered to receive said event notification.

March 8, 2004  
Case No.: AUS920000810US1 (9000/18)  
Serial No.: 09/738,368  
Filed: December 15, 2000  
Page 5 of 21

4. (Currently Amended) A method for processing directory events, comprising:  
operating a master database to replicate a data manipulation and a sequence number  
to a replicate directory database, said sequence number corresponding to an event  
notification; and  
operating ~~said~~ an event service server to provide said event notification to an event  
client server in response to said replication of said sequence number to said replicate  
directory database.
5. (Original) The method of claim 4, further comprising:  
operating said event client server to provide said event notification to at least one  
directory client registered to receive said event notification.
6. (Original) A method for processing directory events, comprising:  
monitoring a first queue for a modified message indicative of a data manipulation  
within a master directory database;  
assigning a first sequence number to said modified message when said modified  
message is within said first queue; and  
storing said first sequence number within said master directory database.
- A2
7. (Original) The method of claim 6, further comprising:  
providing said first sequence number to a second queue.  
monitoring said second queue for said first sequence number; and  
polling a replicate directory database for a second sequence number in response to  
said first sequence number being within said second queue.

March 8, 2004  
Case No.: AUS920000810US1 (9000/18)  
Serial No.: 09/738,368  
Filed: December 15, 2000  
Page 6 of 21

- A2
8. (Original) The method of claim 7, further comprising:  
comparing said first sequence number and said second sequence number; and  
providing an event notification to at least one directory client when said first  
sequence number is less than or equal to said second sequence number.
9. (Original) A method for processing directory events, comprising:  
providing a first sequence number to a queue, said first sequence number  
corresponding to a data manipulation within a master directory database;  
monitoring said queue for said first sequence number; and  
polling a replicate directory database for a second sequence number in response to  
said first sequence number being within said second queue.
10. (Original) The method of claim 9, further comprising:  
comparing said first sequence number and said second sequence number; and  
providing an event notification to at least one directory client when said first  
sequence number is less than or equal to said second sequence number.
11. (Currently Amended) A system, comprising:  
a master directory database operable to store data;  
a directory service provider server operable to manipulate said data; and  
an event master server operable to assign a first sequence number to any manipulation  
of said data within said master directory database by said directory service provider server,  
wherein said event master server is further operable to store said first sequence number  
within said master directory database.
12. (Cancelled)

March 8, 2004  
Case No.: AUS920000810US1 (9000/18)  
Serial No.: 09/738,368  
Filed: December 15, 2000  
Page 7 of 21

- A2
13. (Currently Amended) The system of claim 11 ~~12~~, further comprising:  
a replicate directory database operable to store said data, wherein said master directory database is further operable to replicate said data and a second sequence number to said replicate directory database.
14. (Original) The system of claim 13, further comprising:  
an event service server operable to poll said replicate directory database for said second sequence number in response to said first sequence number from said event master server.
15. (Original) The system of claim 14, further comprising:  
a directory client; and  
an event client server operable to provide an event notification to said directory client, wherein said event service server is further operable to provide said event notification to said event client server when said first sequence number is less than or equal to said second sequence number.
16. (Original) A computer program product in a computer usable medium for processing a directory event, said computer program product comprising:  
a means for monitoring a first queue for a modified message;  
a means for assigning a first sequence number to said modified message when said modified message is within said first queue;  
a means for storing said first sequence number within a master directory database;  
and  
a means for providing an event message including said first sequence number and an event notification.

March 8, 2004

Case No.: AUS920000810US1 (9000/18)

Serial No.: 09/738,368

Filed: December 15, 2000

Page 8 of 21

17. (Original) The computer program product of claim 16, further comprising:
- a means for monitoring a second queue for a first sequence number;
  - a means for polling a replicate database for a second sequence number in response to said second sequence number being within said second queue;
  - a means for comparing said first sequence number and said second sequence number;
  - and
  - a means for providing said event notification when said first sequence number is less than or equal to said second sequence number.
18. (Original) A computer program product in a computer usable medium for processing a directory event, said computer program product comprising:
- a means for monitoring a queue for a first sequence number;
  - a means for polling a replicate database for a second sequence number in response to said second sequence number being within said queue;
  - a means for comparing said first sequence number and said second sequence number;
  - and
  - a means for providing an event notification when said first sequence number is less than or equal to said second sequence number.

A2

March 8, 2004  
Case No.: AUS920000810US1 (9000/18)  
Serial No.: 09/738,368  
Filed: December 15, 2000  
Page 9 of 21

19. (Original) A system, comprising:

an event master server operable to assign a sequence number to a manipulation of a data within a master directory database;

an event service server operable to determine said sequence number being stored within a replicate directory database; and

an event client server operable to provide an event notification to at least one directory client when said sequence number is being stored within said replicated directory database, said event notification corresponding to said manipulation of said data.

A2  
20. (Original) A system, comprising:

a directory client;

a master directory database operable to store data;

a directory service provider server operable to manipulate said data; and

a directory event subsystem operable to notify said directory client of any manipulation of said master directory database by said directory service provider server.